## ABSTRACT OF THE DISCLOSURE

In order to reliably execute various kinds of image processing while reliably performing a refresh operation, during the execution of a refresh process for a storage element which stores image data, a first process using the storage element and a second process using the storage element, access to the storage element is arbitrated so that the first process takes priority over the refresh process and the refresh process takes priority over the second process. In addition, in order to reduce the refresh rate of the storage element to the minimum necessary rate to reduce power consumption and to enhance the speeds of other processes, during the execution of a refresh process for refreshing the storage element which stores image data and a process for processing the image data by performing writing of the image data into the storage element or reading of the image data from the storage element, the manner of the refresh process is switched according to the contents of the image data processing process.